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In re Application of:

Michael BELL

Examiner:

Serial No.: To be Accorded

Art Unit:

Filed: Herewith

Title: **Methods and Reagents for
Conducting Multiplexed Assays Of
Multiple Analytes**

Atty Dkt. No.: 2030-045

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR §§ 1.197(b)(1) AND 1.56

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.56, Applicant herewith submits the following Information Disclosure Statement. A copy of all cited documents are enclosed herewith.

This Information Disclosure Statement is being submitted within 3 months of the filing date of the present application. Accordingly, no fee is required for its consideration and for the consideration of the cited documents. The cited documents are:

Ref. No.	Patent No.	Patentee	Ref. No.	Patent No.	Patentee
AA1	4,185,084	Mochida, <i>et al.</i>	AB5	5,747,352	Yan, <i>et al.</i>
AB1	4,243,749	Sadeh, <i>et al.</i>	AC5	5,754,229	Elabd
AC1	4,313,734	Leuving	AD5	5,772,926	Akhavan-Tafti
AD1	4,373,932	Gribnau, <i>et al.</i>	AE5	5,811,526	Davidson
AE1	4,401,764	Smith	AA6	5,851,778	Oh, <i>et al.</i>
AA2	4,661,444	Li	AB6	5,965,736	Akhavan-Tafti
AB2	4,746,631	Clagett	AC6	5,976,822	Landrum, <i>et al.</i>
AC2	4,810,096	Russell, <i>et al.</i>	AD6	6,002,003	Shen <i>et al.</i>
AD2	5,198,670	VanCauter, <i>et al.</i>	AE6	6,045,727	Akhavan-Tafti, <i>et al.</i>
AE2	5,238,108	Velezis, <i>et al.</i>	AA7	6,045,991	Akhavan-Tafti
AA3	5,306,468	Anderson, <i>et al.</i>	AB7	6,090,571	Akhavan-Tafti, <i>et al.</i>
AB3	5,310,687	Bard, <i>et al.</i>	AC7	6,110,630	Reddy <i>et al.</i>
AC3	5,501,985	Baughner, <i>et al.</i>	AD7	6,139,782	Akhavan-Tafti, <i>et al.</i>
AD3	5,563,036	Peterson, <i>et al.</i>	AE7	6,165,796	Bell
AE3	5,627,080	Cheng, <i>et al.</i>	AA8	6,177,958	Anderson

AA4	5,633,141	Lee, <i>et al.</i>	AB8	6,212,291	Wang, <i>et al.</i>
AB4	5,648,213	Reddy, <i>et al.</i>	AC8	6,218,137	Akhavan-Tafti, <i>et al.</i>
AC4	5,679,309	Bell	AD8	6,270,695	Akhavan-Tafti, <i>et al.</i>
AD4	5,679,525	Peterson, <i>et al.</i>	AE8	6,281,021	Egger, <i>et al.</i>
AE4	5,691,147	Draetta, <i>et al.</i>	AA9	6,319,668	Nova <i>et al.</i>
AA5	5,698,411	Lucas, <i>et al.</i>			

AL1	EP 177,191	11/22/90	EUROPEAN
AM1	GB 2,084,317	4/7/82	UNITED KINGDOM
AN1	WO9926067A1	5/27/99	PCT

AR1 Alberts, B. *et al.*, Molecular Biology of the Cell, 2nd Edition. Garland Publishing, Inc. New York, pg 704.

AS1 Bass, D.A. *et al.* "Flow cytometric studies of oxidative product formation by neutrophils: a graded response to membrane stimulation." *J. Immunol.* 130: 1910-1917.

AT1 Bishop, J.E. *et al.*, "A Flow Cytometric Immunoassay For Beta2-Microglobulin In Whole Blood," *J Immunol. Meth.* 210:79-87 (1997).

AR2 Bode, W. *et al.*, 1989, "Human leukocyte and porcine pancreatic elastase: X-ray crystal structures, mechanism, substrate specificity and mechanism-based inhibitors," *Biochem.* 28: 1951-1963.

AS2 Chen, R. *et al.*, "Simultaneous Quantification of Six Human Cytokines in a Single Sample Using Microparticle-based Flow Cytometric Technology," *Clin Chem.* 45:1693-1694 (1999).

AT2 Coates, P.M. *et al.*, 1975, "A preliminary genetic interpretation of the esterase isozymes of human tissues," *Ann. Hum. Genet. Lond.* 39: 1-20.

AR3 Crockard, A. *et al.*, 1982, "Cytochemistry of acid hydrolases in chronic B- and T-cell leukemias," *Am. J. Clin. Pathol.* 78:437-444.

AS3 Ferrer-Lopez, P. *et al.*, "Heparin Inhibits Neutrophil-Induced Platelet Activation Via Cathepsin", *J. Lab Clin. Med.* 119(3), 231-239 (1992).

AT3 Fleischer, B., 1994, "CD26: a surface protease involved in T-cell activation," *Immunol. Today.* 15: 180-184.

AR4 Fowler A., *et al.*, "A multi-modality assay platform for ultra-high throughput screening," *Curr. Pharm. Biotechnol.* 2000 Nov;1(3):265-81.

- AS4 Fulwyler *et al.*, "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes," *Meth. Cell Biol.* 33: 613-629 (1990).
- AT4 Gartner, T.K. *et al.*, 1985, "The tetrapeptide analogue of the alpha chain and decapeptide analogue of the gamma chain of fibrinogen bind to different sites on the platelet fibrinogen receptor," *Blood*. 66 Suppl 1: 305a.
- AR5 Gormley, G.J. *et al.*, "A Controlled Pore Glass Bead Assay For The Measurement Of Cytoplasmic And Nuclear Glucocorticoid Receptors," *J Steroid Biochem.* 22:693-8 (1985).
- AS5 Hegen, M. *et al.*, 1993, "Enzymatic activity of CD26 (dipeptidylpeptidase IV) is not required for its signalling function in T cells," *Immunobiology* 189: 483-493.
- AT5 Hoffmann, T. *et al.* 1993, "Dipeptidyl peptidase IV (CD 26) and aminopeptidase N (CD 13) catalyzed hydrolysis of cytokines and peptides with N-terminal cytokine sequences," *FEBS Letters*. 336: 61-64.
- AR6 Hohn, P.A. *et al.*, 1989, "Genomic organization and chromosomal localization of the human cathepsin G gene," *J. Biol. Chem.* 264: 13412-13419.
- AS6 Horan *et al.*, "Fluid Phase Particle Fluorescence Analysis: Rheumatoid Factor Specificity Evaluated by Laser Flow Cytophotometry," *Immunoassays in the Clinical Laboratory*, 185-189 (Liss 1979).
- AT6 Horstmann, B.J. *et al.*, "Rate-Limiting Mass Transfer In Immunosorbents: Characterisation Of The Adsorption Of Paraquat-Protein Conjugates To Anti-Paraquat Sepharose 4B," *Bioseparation* 7:145-57 (1998).
- AR7 Jongkind, J.F. *et al.*, 1986, "Detection of acid-b -galactosidase activity in viable human fibroblasts by flow cytometry," *Cytometry* 7:463-466.
- AS7 Kankaanranta, H. *et al.*, 1994, " Effects of non-steroidal anti-inflammatory drugs on polymorphonuclear leukocyte functions in vitro: focus on fenamates," *Naunyn-Schmiedeberg's Arch Pharmacol.* 350:685-691.
- AT7 Kohen, E. *et al.*, 1993, "An in situ study of beta-glucosidase activity in normal and gaucher fibroblasts with fluorogenic probes," *Cell Biochem. and Function.* 11:167-177.
- AR8 Kojima, K. *et al.*, 1979, "A new and highly sensitive fluorescence assay for collagenase-like peptidase activity," *Anal. Biochem.* 100: 43-50.
- AS8 Leytus, S.P. *et al.*, "New class of sensitive and selective fluorogenic substrates for serine proteases," *Biochem. J.* 215:253-260 (1983).

- AT8 Li, C.Y. *et al.*, 1970, "Acid phosphatase isoenzyme in human leukocytes in normal and pathologic conditions," *J. Histochem. Cytochem.* 18:473-481.
- AR9 Lindmo *et al.*, "Immunometric Assay Using Mixtures of Two Particle Types of Different Affinity," *J. Immunol. Meth.* 126: 183-189 (1990).
- AS9 McDonald, J.A. *et al.*, 1980, "Degradation of fibronectin by human leukocyte elastase," *J. Biol. Chem.* 255: 8848-8858.
- AT9 McHugh, "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes," *Methods in Cell Biology* 42, Part B (Academic Press, 1994).
- AR10 McHugh *et al.*, "Microsphere-Based Fluorescence Immunoassays using Flow Cytometry Instrumentation", "Clinical Flow Cytometry, Bauer, K. D., *et al.*, eds. (Baltimore, Maryland, USA: Williams and Williams, 1993), pp. 535-544.
- AS10 Mentlein, R. *et al.*, H. R., "Influence of Pregnancy on Dipeptidyl Peptidase IV Activity (CD26 Leukocyte Differentiation Antigen) of Circulating Lymphocytes", *Eur. J. Clin. Chem. Clin. Biochem.*, 29, 477-480 (1991).
- AT10 Park, M.K. *et al.*, "A Latex Bead-Based Flow Cytometric Immunoassay Capable Of Simultaneous Typing Of Multiple Pneumococcal Serotypes (Multibead Assay)," *Clin Diagn Lab Immunol.* 7:486-9 (2000).
- AR11 Rotman, B. *et al.*, 1963, "Fluorogenic substrates for b -D-galactosidases and phosphatases derived from fluorescein (3,6-dihydroxyfluoran) and its monomethyl ether," *Proc. Nat. Acad. Sci. USA* 50:1-6.
- AS11 Royer, G. *et al.*, "Immobilized Derivatives of Leucine Aminopeptidase and Aminopeptidase M," *J. Biol. Chem.* 248(5), 1807-1812 (1973).
- AT11 Ruiz, P. *et al.*, 1996, "Cytofluorographic evidence that thymocyte dipeptidyl peptidase IV (CD26) activity is altered with stage of ontogeny and apoptotic status," *Cytometry.* 23: 322-329.
- AR12 Sanderink, G.J. *et al.*, 1988, "Human Aminopeptidases: A Review of the Literature. *J. Clin. Chem. Clin. Biochem.* 26: 795-807.
- AS12 Sato, H. *et al.*, "Effect Of Pore Size Of Porous Bead Carriers Immobilizing Antibody On IgE Absorption," *J Biomed Mater Res.* 20:853-8 (1986).
- AT12 Schmidt, D.E., Jr. *et al.*, "An Advanced Solid Support For Immunoassays And Other Affinity Applications," *Biotechniques* 14:1020-1025 (1993).

- AR13 Schon, E. *et al.*, "The role of dipeptidyl peptidase IV in human T lymphocyte activation. Inhibitors and antibodies against dipeptidyl peptidase IV suppress lymphocyte proliferation and immunoglobulin synthesis in vitro," *Eur. J. Immunol.* 1987 Dec;17(12):1821-6.
- AS13 Stein, R.L. *et al.* 1987, "Catalysis by human leukocyte elastase: Mechanistic insights into specificity requirements," *Biochem.* 26:1301-1305.
- AT13 Stein, R.L. *et al.* 1987, "Catalysis by human leukocyte elastase: Proton inventory as a mechanistic probe," *Biochem.* 26:1305-1314.
- AR14 Tanaka, T. *et al.*, 1993, "The costimulatory activity of the CD26 antigen requires dipeptidyl peptidase IV enzymatic activity," *Proc. Natl. Acad. Sci. USA.* 90: 4586-4590.
- AS14 Thiele, D.L. *et al.*, 1990, "Mechanism of L-leucyl-L-leucine methyl ester-mediated killing of cytotoxic lymphocytes: Dependence on a lysosomal thiol protease, dipeptidyl peptidase I, that is enriched in these cells," *Proc. Natl. Acad. Sci. USA.* 87: 83-87.
- AT14 Vignali, D.A.A., "Multiplexed Particle-Based Flow Cytometric Assays," *J. Immunol. Meth.* 243:243-255 (2000).
- AR15 Vlieger, A.M., *et al.*, *Analytical Biochemistry* 205:1-7 (1992).
- AS15 Weiss, S.J. 1989, "Tissue destruction by neutrophils," *N. Eng. J. Med.* 320: 365-376.
- AT15 Whitlock, C.A., *et al.*, 1987. "Bone marrow stromal cell lines with lymphopoietic activity express high levels of a pre-B neoplasia-associated molecule," *Cell* 48: 1009-1021.
- AR16 Wilson *et al.*, "A New Microsphere-Based Immunofluorescence Assay Using Flow Cytometry," *J. Immunol. Meth.* 107: 225-230 (1988).
- AS16 Woessner, J.F. Jr., 1991, "Matrix metalloproteinases and their inhibitors in connective tissue remodeling," *FASEB J.* 5: 2145-2154.
- AT17 Wu, Q. *et al.*, 1991. "Aminopeptidase A activity of the murine B-lymphocyte differentiation antigen BP-1/6C3," *Proc. Natl. Acad. Sci, USA.* 88: 676-680.

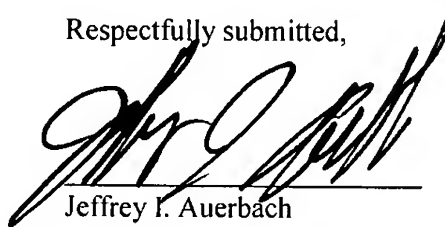
The Examiner is requested to contact the undersigned immediately in the event that any cited document is missing in order that a replacement copy can be provided.

Date:

1/9/2002

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Respectfully submitted,



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Registration No. 32,680
Attorney for Assignee

PTO 1449
 10/07/95
 02/08/02

PTO 1449 INFORMATION DISCLOSURE STATEMENT		Page 1 of 9	
		Atty Dkt: 2030-045	Serial No. To be Accorded
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes		Applicant: Michael Bell	
		Filing Date: Herewith	Group

U.S. PATENT DOCUMENTS

Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA1	4,185,084	1/22/80	Mochida, <i>et al.</i>	424	1	10/3/77
	AB1	4,243,749	1/6/81	Sadeh, <i>et al.</i>	435	7	3/16/78
	AC1	4,313,734	2/2/82	Leuversing	23	230	7/13/79
	AD1	4,373,932	2/15/83	Gribnau, <i>et al.</i>	436	501	1/2/81
	AE1	4,401,764	8/30/83	Smith	436	500	2/2/81

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
	AL1	EP 177,191	11/22/90	EUROPEAN	G01N	33/537	NO
	AM1	GB 2,084,317	4/7/82	UNITED KINGDOM	G01N	33/54	NO
	AN1	WO9926067A1	5/27/99	PCT	G01N	33/543	No

OTHERS, including Author, Title, Date, Pertinent Pages, etc.

	AR1	Alberts, B. <i>et al.</i> , Molecular Biology of the Cell, 2nd Edition. Garland Publishing, Inc. New York, pg 704.
	AS1	Bass, D.A. <i>et al.</i> "Flow cytometric studies of oxidative product formation by neutrophils: a graded response to membrane stimulation." <i>J. Immunol.</i> 130: 1910-1917.
	AT1	Bishop, J.E. <i>et al.</i> , "A Flow Cytometric Immunoassay For Beta2-Microglobulin In Whole Blood," <i>J Immunol. Meth.</i> 210:79-87 (1997).
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PTO 1449 INFORMATION DISCLOSURE STATEMENT				Page 2 of 9			
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	AA2	4,661,444	4/28/87	Li	435	7	3/29/84
	AB2	4,746,631	5/24/88	Clagett	436	518	5/9/85
	AC2	4,810,096	3/7/89	Russell, <i>et al.</i>	356	436	4/8/87
	AD2	5,198,670	3/30/93	VanCauter, <i>et al.</i>	250	328	9/29/89
	AE2	5,238,108	8/24/93	Velezis, <i>et al.</i>	206	315.1	8/25/92
FOREIGN PATENT DOCUMENTS							
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	AT2	Coates, P.M. <i>et al.</i> , 1975, "A preliminary genetic interpretation of the esterase isozymes of human tissues," <i>Ann. Hum. Genet. Lond.</i> 39: 1-20.					
	AR3	Crockard, A. <i>et al.</i> , 1982, "Cytochemistry of acid hydrolases in chronic B- and T-cell leukemias," <i>Am. J. Clin. Pathol.</i> 78:437-444.					
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	AT3	Fleischer, B., 1994, "CD26: a surface protease involved in T-cell activation," <i>Immunol. Today.</i> 15: 180-184.					
	AR4	Fowler A., <i>et al.</i> , "A multi-modality assay platform for ultra-high throughput screening," <i>Curr. Pharm. Biotechnol.</i> 2000 Nov;1(3):265-81.					
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	AA3	5,306,468	4/26/94	Anderson, <i>et al.</i>	422	101	7/19/91
	AB3	5,310,687	5/10/94	Bard, <i>et al.</i>	436	518	11/4/91
	AC3	5,501,985	3/26/96	Baughner, <i>et al.</i>	436	518	4/21/94
	AD3	5,563,036	10/8/96	Peterson, <i>et al.</i>	435	6	4/29/94
	AE3	5,627,080	5/6/97	Cheng, <i>et al.</i>	436	534	7/29/94
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	AS4	Fulwyler <i>et al.</i> , "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes," <i>Meth. Cell Biol.</i> 33: 613-629 (1990).					
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	AR5	Gormley, G.J. <i>et al.</i> , "A Controlled Pore Glass Bead Assay For The Measurement Of Cytoplasmic And Nuclear Glucocorticoid Receptors," <i>J Steroid Biochem.</i> 22:693-8 (1985).					
	AS5	Hegen, M. <i>et al.</i> , 1993, "Enzymatic activity of CD26 (dipeptidylpeptidase IV) is not required for its signalling function in T cells," <i>Immunobiology</i> 189: 483-493.					
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	AA4	5,633,141	5/27/97	Lee, <i>et al.</i>	435	7.2	4/7/95
	AB4	5,648,213	7/15/97	Reddy, <i>et al.</i>	435	6	8/30/94
	AC4	5,679,309	10/21/97	Bell	422	67	12/14/95
	AD4	5,679,525	10/21/97	Peterson, <i>et al.</i>	435	6	7/17/96
	AE4	5,691,147	11/25/97	Draetta, <i>et al.</i>	435	7.1	6/2/94
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	AA5	5,698,411	12/16/97	Lucas, <i>et al.</i>	435	29	5/18/95
	AB5	5,747,352	5/5/98	Yan, <i>et al.</i>	436	533	5/23/94
	AC5	5,754,229	5/19/98	Elabd	348	319	11/14/95
	AD5	5,772,926	6/30/98	Akhavan-Tafti	252	700	5/13/97
	AE5	5,811,526	9/22/98	Davidson	530	391.3	5/23/95
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	AR9	Lindmo <i>et al.</i> , "Immunometric Assay Using Mixtures of Two Particle Types of Different Affinity," <i>J. Immunol. Meth.</i> 126: 183-189 (1990).					
	AS9	McDonald, J.A. <i>et al.</i> , 1980, "Degradation of fibronectin by human leukocyte elastase," <i>J. Biol. Chem.</i> 255: 8848-8858.					
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	AD6	6,002,003	12/14/99	Shen <i>et al.</i>	544	232	4/14/98
	AE6	6,045,727	4/4/00	Akhavan-Tafti, <i>et al.</i>	252	700	1/15/97
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		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AT9	McHugh, "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes, "Methods in Cell Biology 42, Part B (Academic Press, 1994).					
	AR10	McHugh <i>et al.</i> , "Microsphere-Based Fluorescence Immunoassays using Flow Cytometry Instrumentation", "Clinical Flow Cytometry, Bauer, K. D., <i>et al.</i> , eds. (Baltimore, Maryland, USA: Williams and Williams, 1993), pp. 535-544.					
	AS10	Mentlein, R. <i>et al.</i> , H. R., "Influence of Pregnancy on Dipeptidyl Peptidase IV Activity (CD26 Leukocyte Differentiation Antigen) of Circulating Lymphocytes", <i>Eur. J. Clin. Chem. Clin. Biochem.</i> , 29, 477-480 (1991).					
	AT10	Park, M.K. <i>et al.</i> , "A Latex Bead-Based Flow Cytometric Immunoassay Capable Of Simultaneous Typing Of Multiple Pneumococcal Serotypes (Multibead Assay)," <i>Clin Diagn Lab Immunol.</i> 7:486-9 (2000).					
	AR11	Rotman, B. <i>et al.</i> , 1963, "Fluorogenic substrates for b -D-galactosidases and phosphatases derived from fluorescein (3,6-dihydroxyfluoran) and its monomethyl ether," <i>Proc. Nat. Acad. Sci. USA</i> 50:1-6.					
Examiner:				Date Considered			
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PTO 1449				Page 7 of 9			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
	AA7	6,045,991	4/4/00	Akhavan-Tafti	435	4	5/3/99
	AB7	6,090,571	7/18/00	Akhavan-Tafti, <i>et al.</i>	435	21	7/21/99
	AC7	6,110,630	8/29/00	Reddy <i>et al.</i>	430	93	6/18/98
	AD7	6,139,782	10/31/00	Akhavan-Tafti, <i>et al.</i>	252	700	7/21/99
	AE7	6,165,796	12/26/00	Bell	436	74	11/26/97
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AS11	Royer, G. <i>et al.</i> , "Immobilized Derivatives of Leucine Aminopeptidase and Aminopeptidase M," <i>J. Biol. Chem.</i> 248(5), 1807-1812 (1973).					
	AT11	Ruiz, P. <i>et al.</i> , 1996, "Cytofluorographic evidence that thymocyte dipeptidyl peptidase IV (CD26) activity is altered with stage of ontogeny and apoptotic status," <i>Cytometry</i> . 23: 322-329.					
	AR12	Sanderink, G.J. <i>et al.</i> , 1988, "Human Aminopeptidases: A Review of the Literature. <i>J. Clin. Chem. Clin. Biochem.</i> 26: 795-807.					
	AS12	Sato, H. <i>et al.</i> , "Effect Of Pore Size Of Porous Bead Carriers Immobilizing Antibody On IgE Absorption," <i>J Biomed Mater Res.</i> 20:853-8 (1986).					
	AT12	Schmidt, D.E., Jr. <i>et al.</i> , "An Advanced Solid Support For Immunoassays And Other Affinity Applications," <i>Biotechniques</i> 14:1020-1025 (1993).					
Examiner:				Date Considered			
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PTO 1449				Page 8 of 9			
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Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
	AA8	6,177,958	1/23/01	Anderson	348	362	3/11/98
	AB8	6,212,291	4/3/01	Wang, <i>et al.</i>	382	132	1/29/98
	AC8	6,218,137	4/17/01	Akhavan-Tafti, <i>et al.</i>	435	21	3/31/00
	AD8	6,270,695	8/701	Akhavan-Tafti, <i>et al.</i>	252	700	7/21/99
	AE8	6,281,021	8/28/01	Egger, <i>et al.</i>	436	544	6/18/99
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AR13	Schon, E. <i>et al.</i> , "The role of dipeptidyl peptidase IV in human T lymphocyte activation. Inhibitors and antibodies against dipeptidyl peptidase IV suppress lymphocyte proliferation and immunoglobulin synthesis in vitro," <i>Eur. J. Immunol.</i> 1987 Dec;17(12):1821-6.					
	AS13	Stein, R.L. <i>et al.</i> 1987, "Catalysis by human leukocyte elastase: Mechanistic insights into specificity requirements," <i>Biochem.</i> 26:1301-1305.					
	AT13	Stein, R.L. <i>et al.</i> 1987, "Catalysis by human leukocyte elastase: Proton inventory as a mechanistic probe," <i>Biochem.</i> 26:1305-1314.					
	AR14	Tanaka, T. <i>et al.</i> , 1993, "The costimulatory activity of the CD26 antigen requires dipeptidyl peptidase IV enzymatic activity," <i>Proc. Natl. Acad. Sci. USA.</i> 90: 4586-4590.					
	AS14	Thiele, D.L. <i>et al.</i> , 1990, "Mechanism of L-leucyl-L-leucine methyl ester-mediated killing of cytotoxic lymphocytes: Dependence on a lysosomal thiol protease, dipeptidyl peptidase I, that is enriched in these cells," <i>Proc. Natl. Acad. Sci. USA.</i> 87: 83-87.					
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PTO 1449				Page 9 of 9			
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Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA9	6,319,668	11/20/01	Nova <i>et al.</i>	435	6	6/24/96
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AT14	Vignali, D.A.A., "Multiplexed Particle-Based Flow Cytometric Assays," J. Immunol. Meth. 243:243-255 (2000).					
	AR15	Vlieger, A.M., <i>et al.</i> , Analytical Biochemistry 205:1-7 (1992).					
	AS15	Weiss. S.J. 1989, "Tissue destruction by neutrophils," <i>N. Eng. J. Med.</i> 320: 365-376.					
	AT15	Whitlock, C.A., <i>et al.</i> , 1987. "Bone marrow stromal cell lines with lymphopoietic activity express high levels of a pre-B neoplasia-associated molecule," <i>Cell</i> 48: 1009-1021.					
	AR16	Wilson <i>et al.</i> , "A New Microsphere-Based Immunofluorescence Assay Using Flow Cytometry," J. Immunol. Meth. 107: 225-230 (1988).					
	AS16	Woessner, J.F. Jr., 1991, "Matrix metalloproteinases and their inhibitors in connective tissue remodeling," <i>FASEB J.</i> 5: 2145-2154.					
	AT17	Wu, Q. <i>et al.</i> , 1991. "Aminopeptidase A activity of the murine B-lymphocyte differentiation antigen BP-1/6C3," <i>Proc. Natl. Acad. Sci, USA.</i> 88: 676-680.					
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